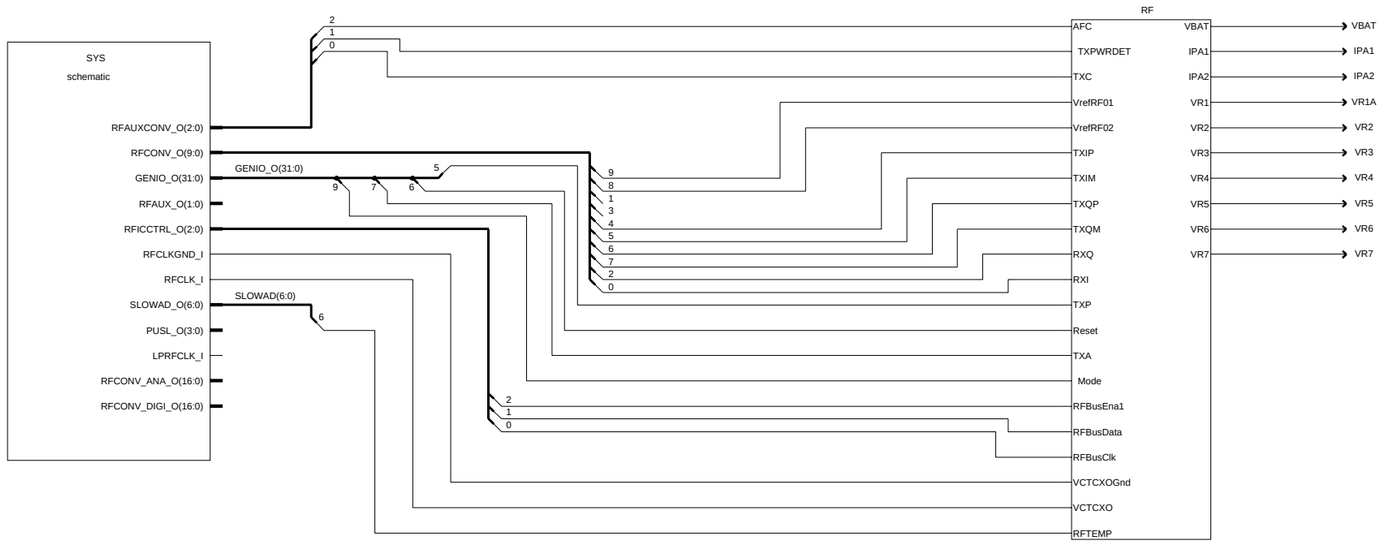
NHL-4J/NHL-4JX Top Level



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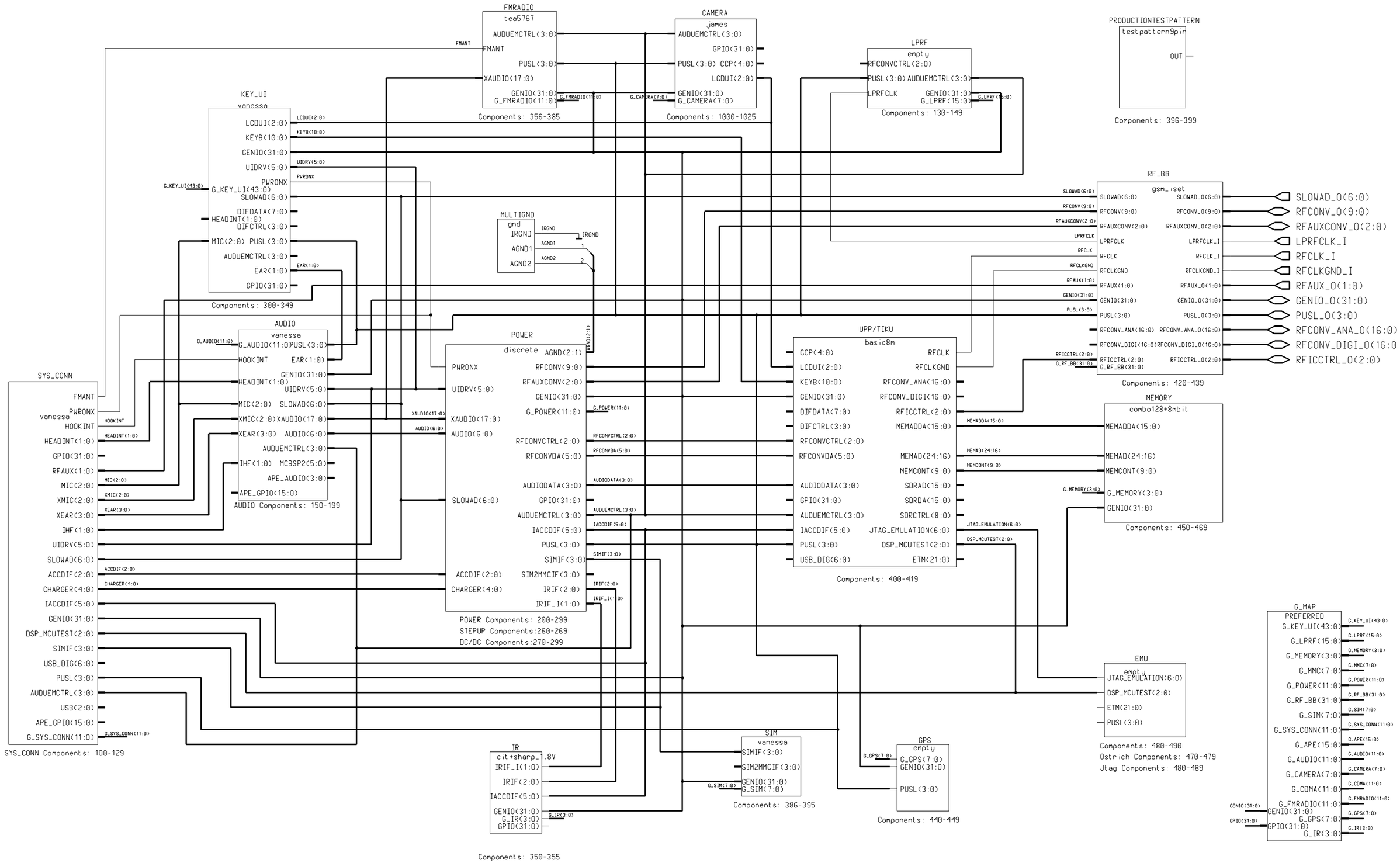
DCT4 Common BB



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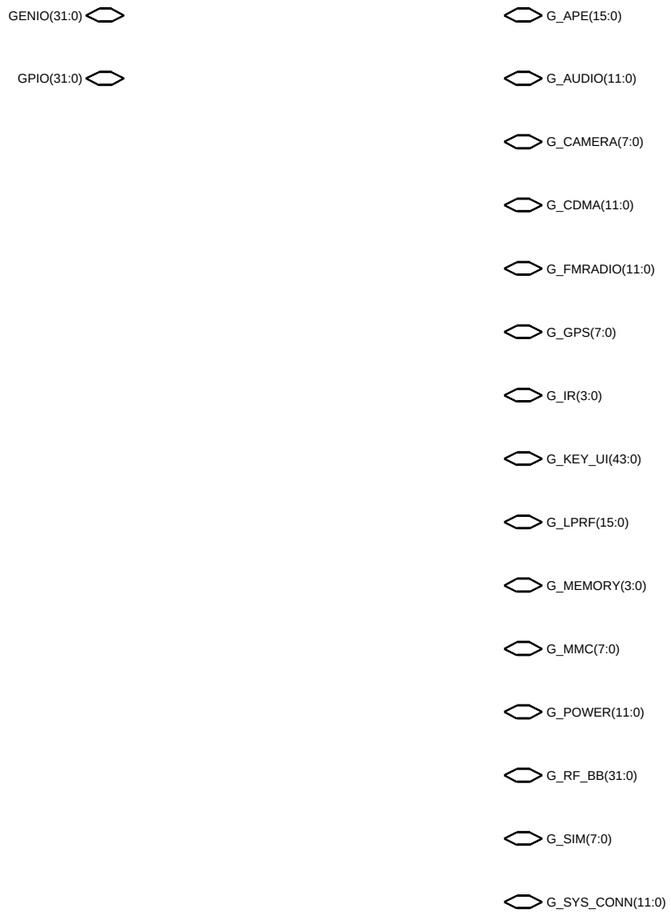
GENIO and GPIO Connection Block



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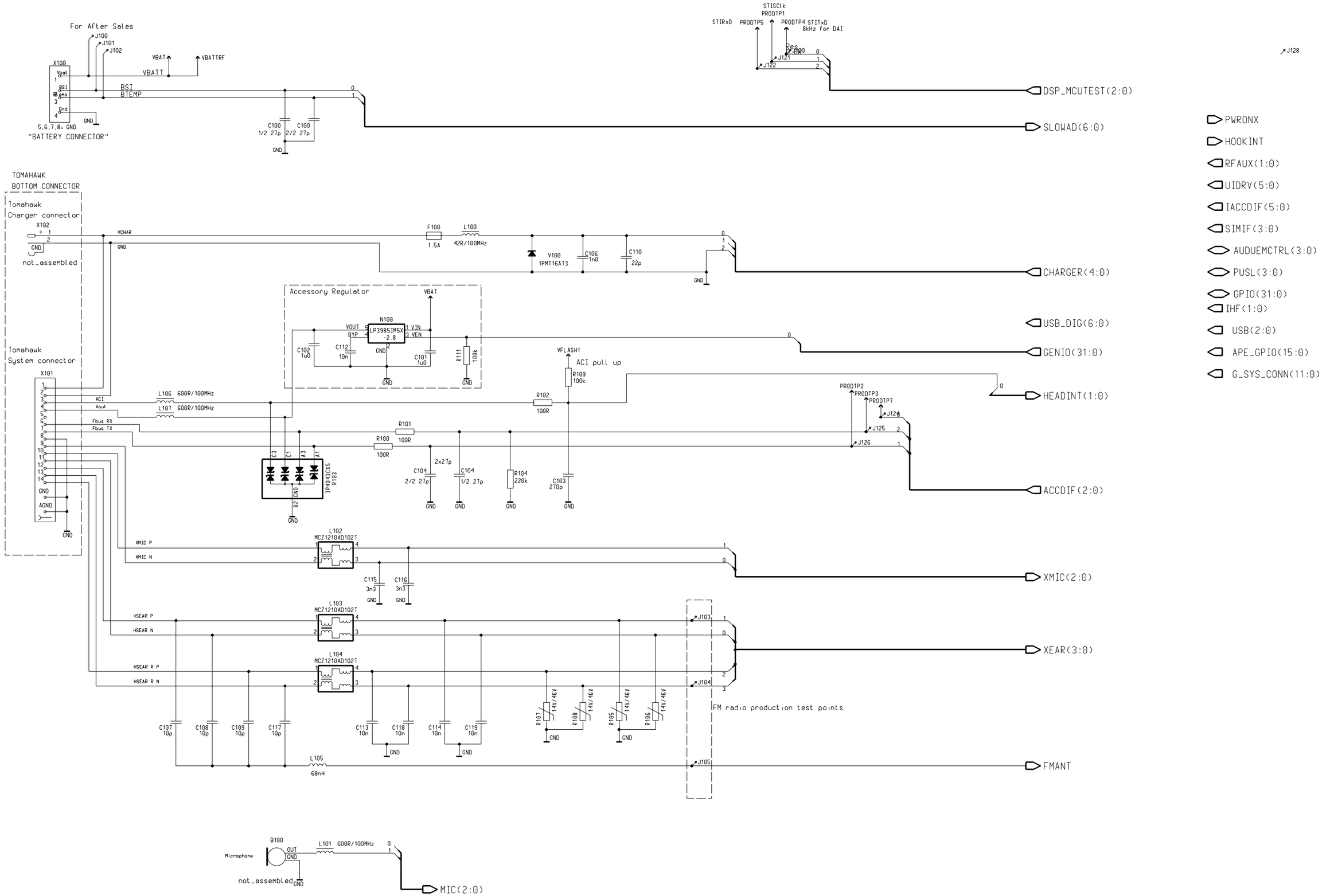
System Connector



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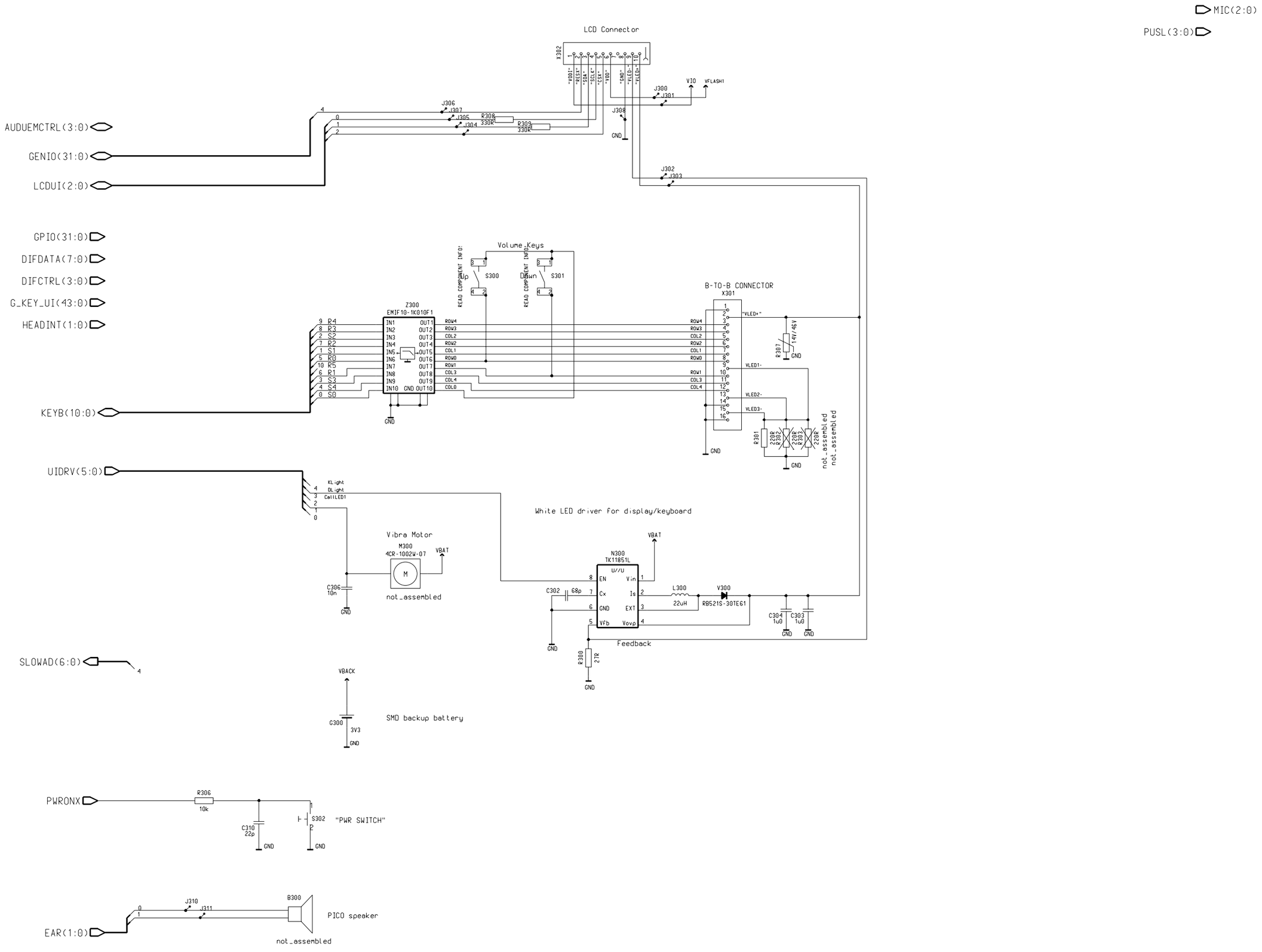
UI



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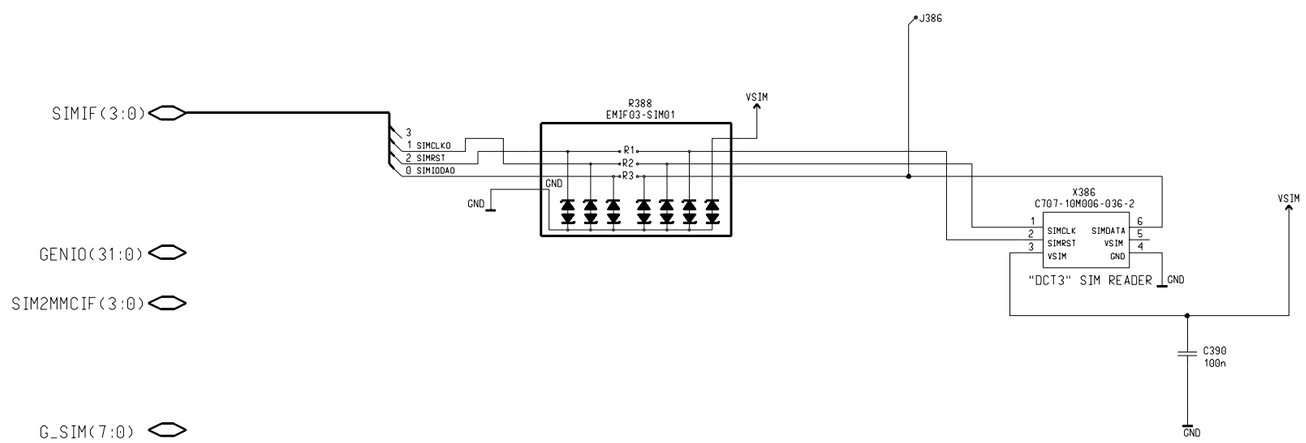
SIM Reader



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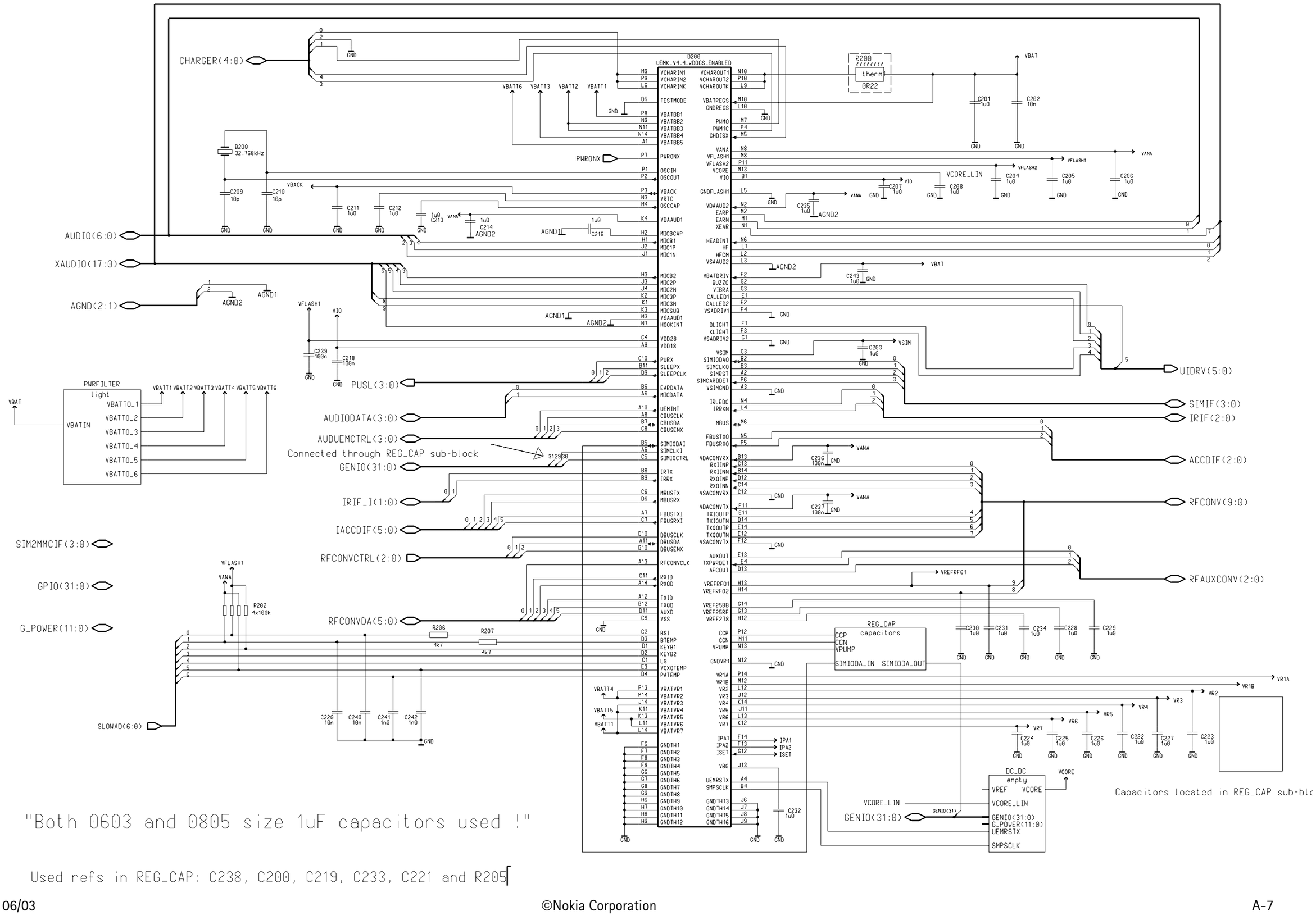
Discrete Power Management



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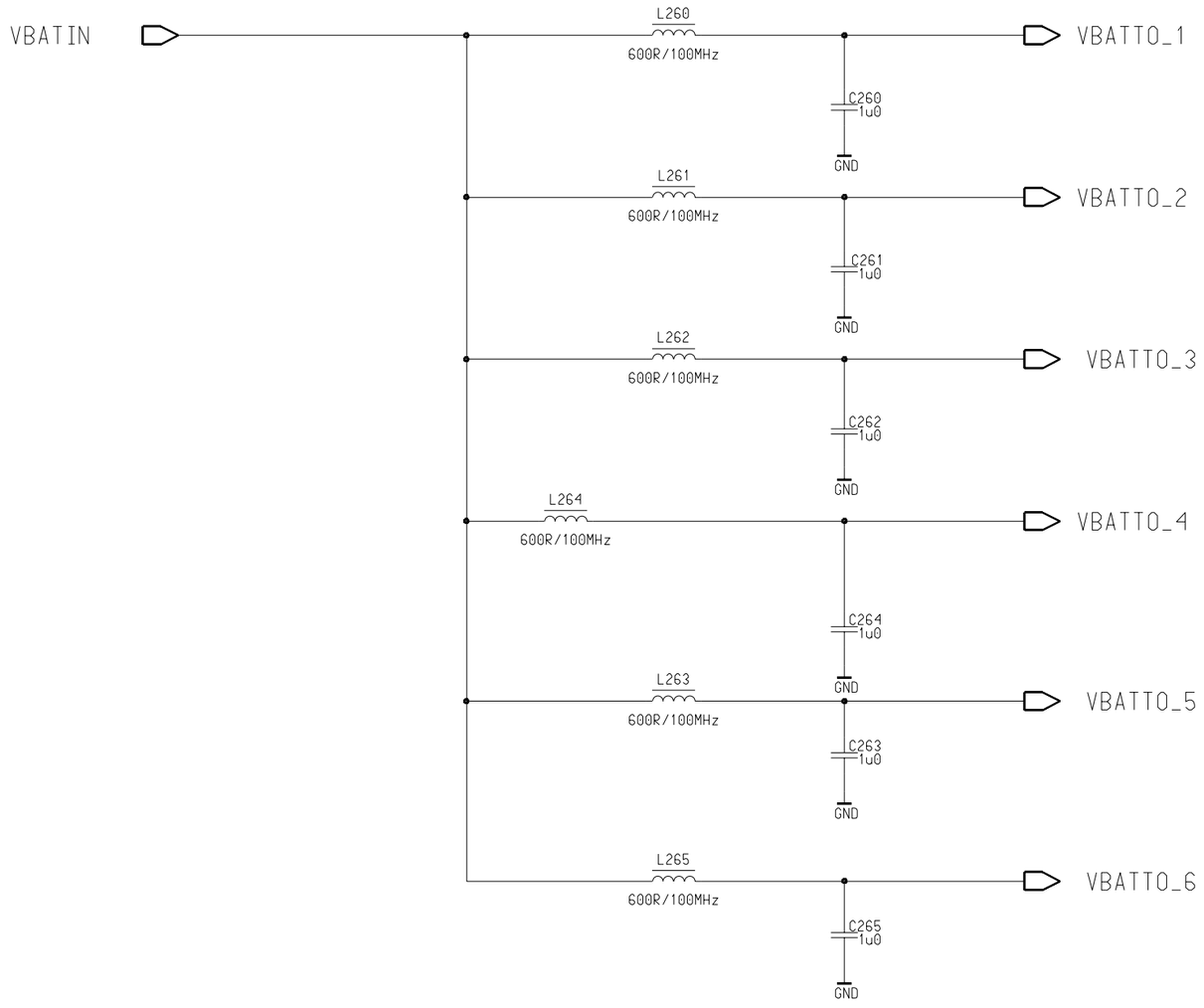
Light Filtering



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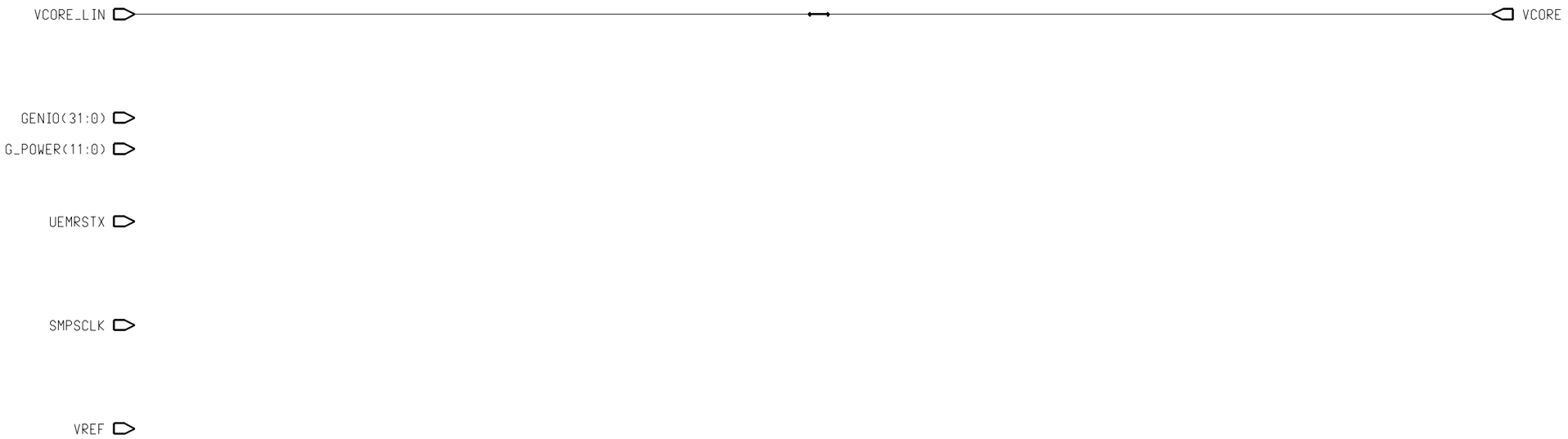
DC/DC Converter



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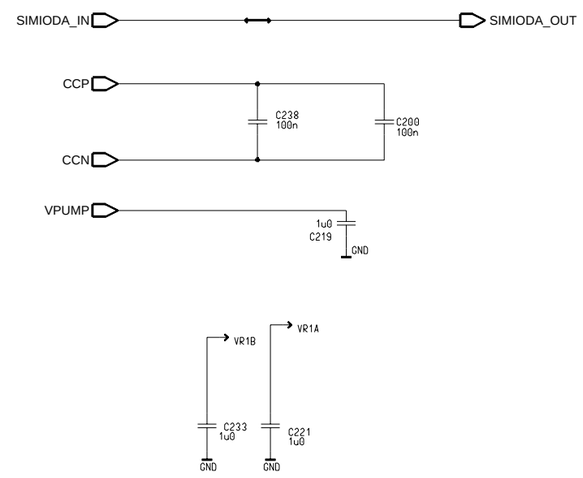
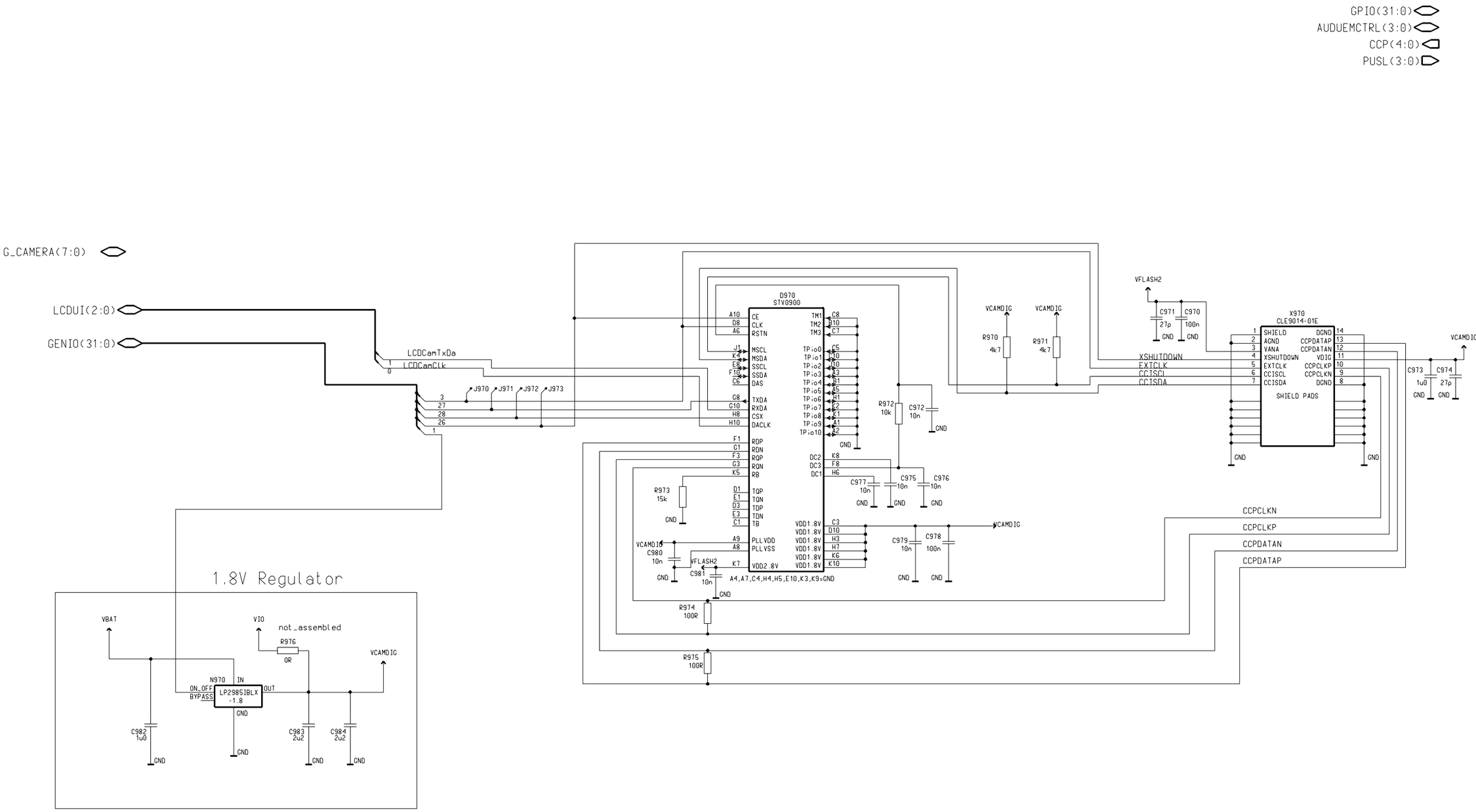
Old Power Discrete



Camera



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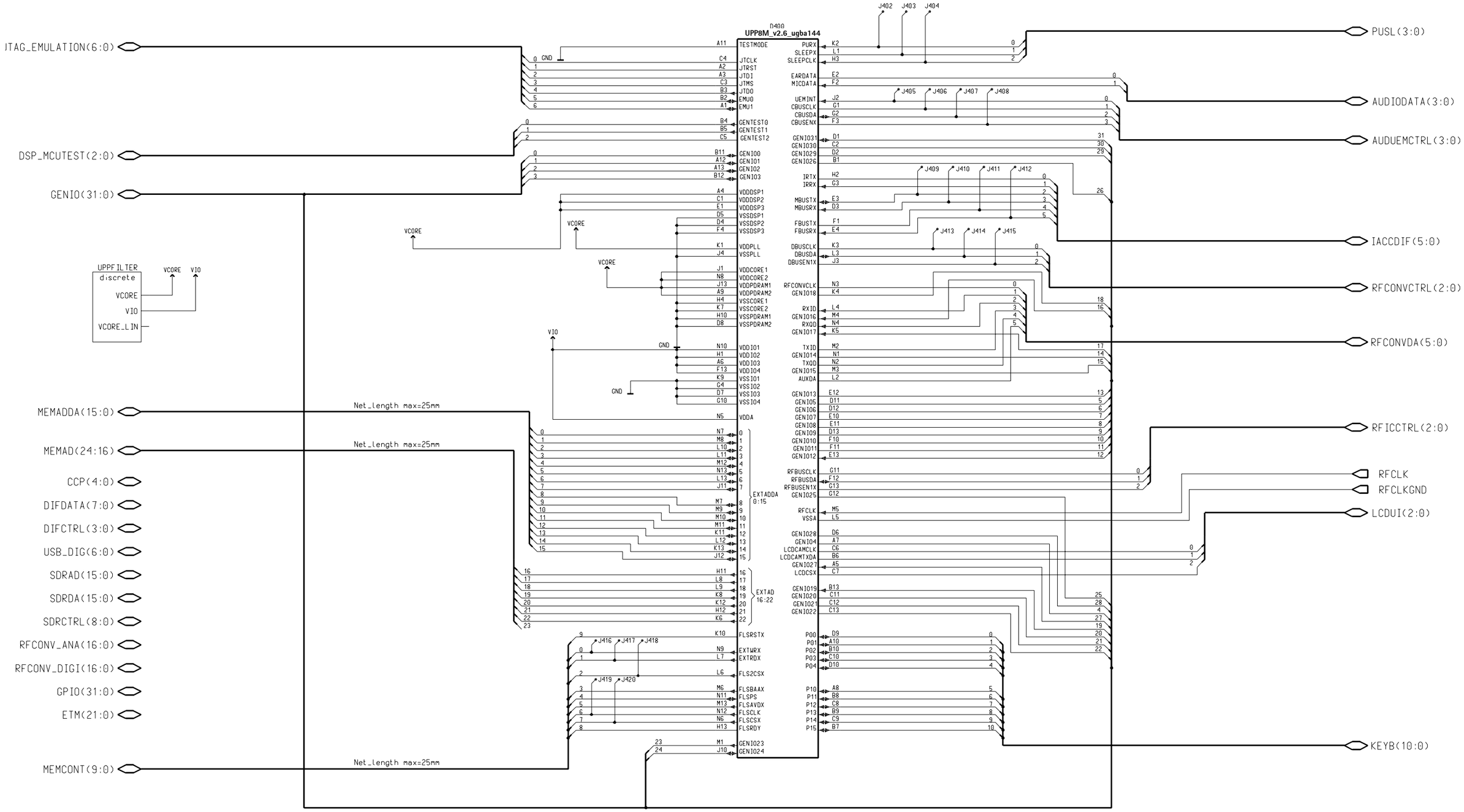
UPP 8M Implementation



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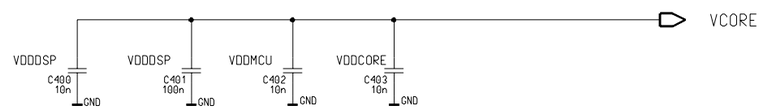
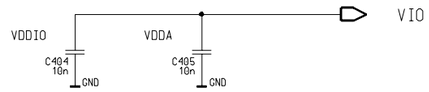
Decoupling Capacitors for UPP





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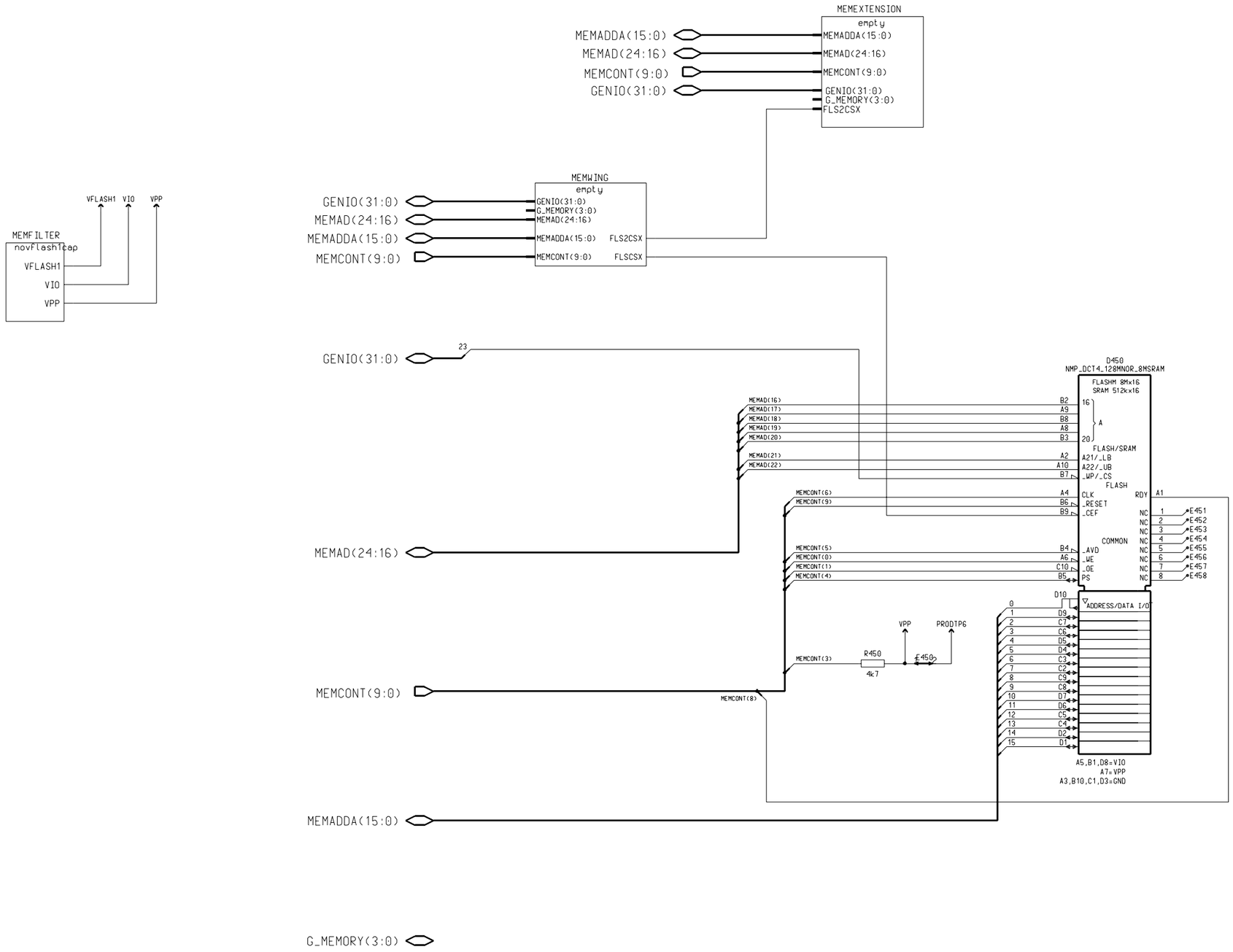
Combo Memory



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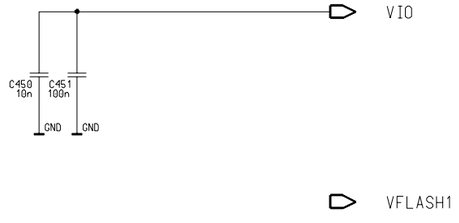
Memory Without VFLASH1



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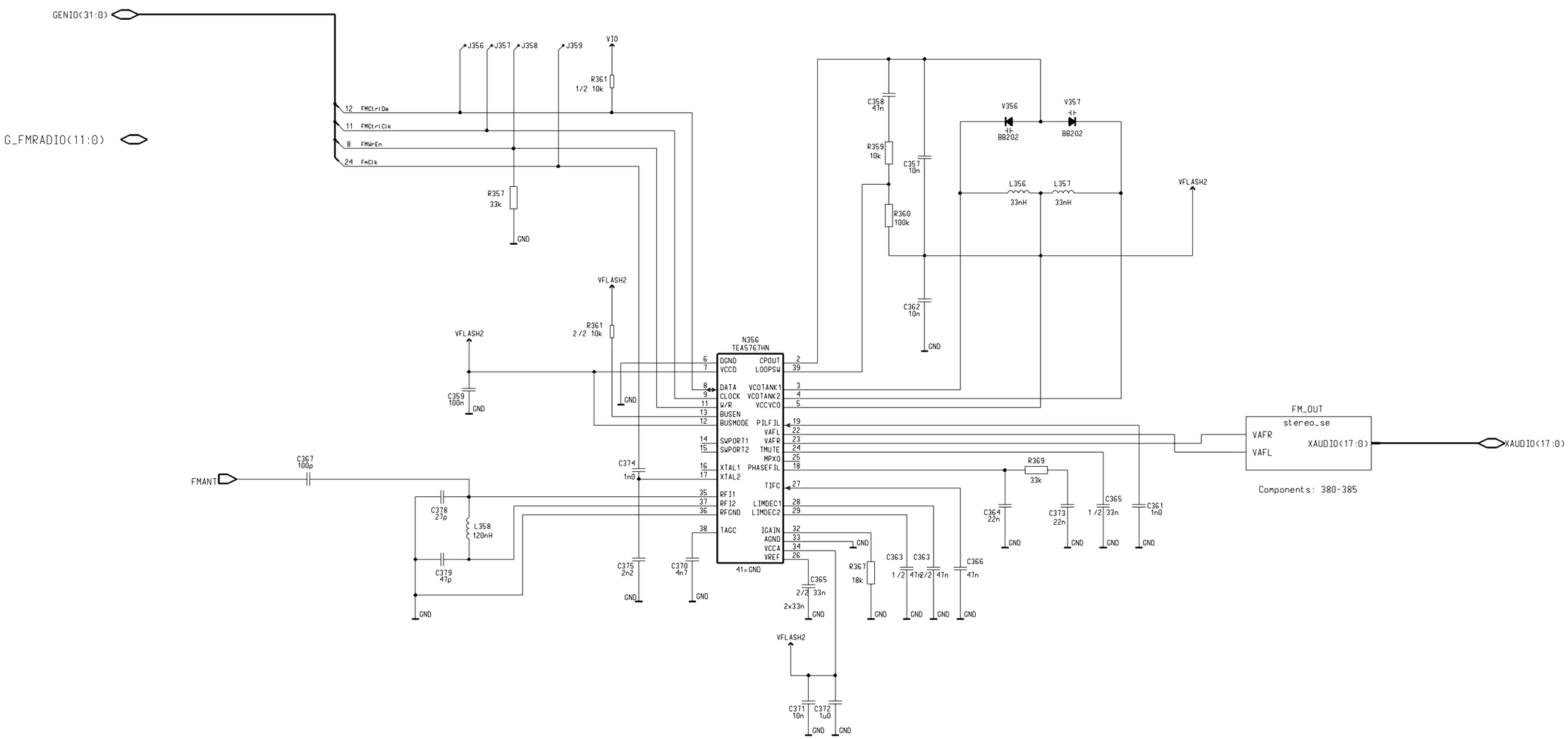
FM Radio

FMClk = GENIO(24)



Notice:

C374 (1n0) and C375 (2n2) are configured for 32kHz reference clock

If reference clock is 6.5MHz, use C374 (3p9) and C375 (10p)

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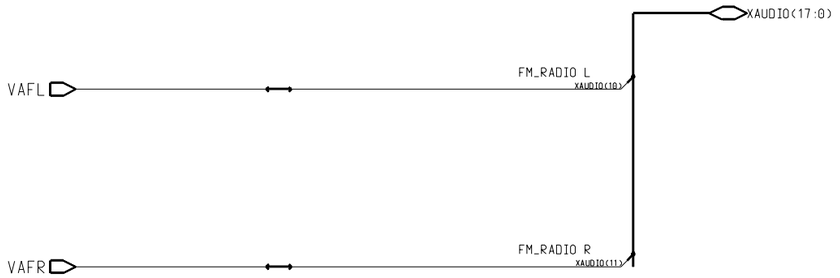
FM Radio Out



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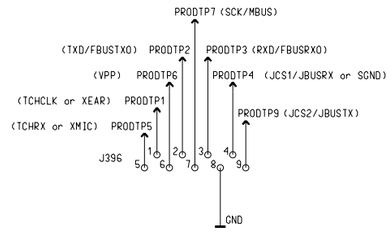
Test Pattern



OUT

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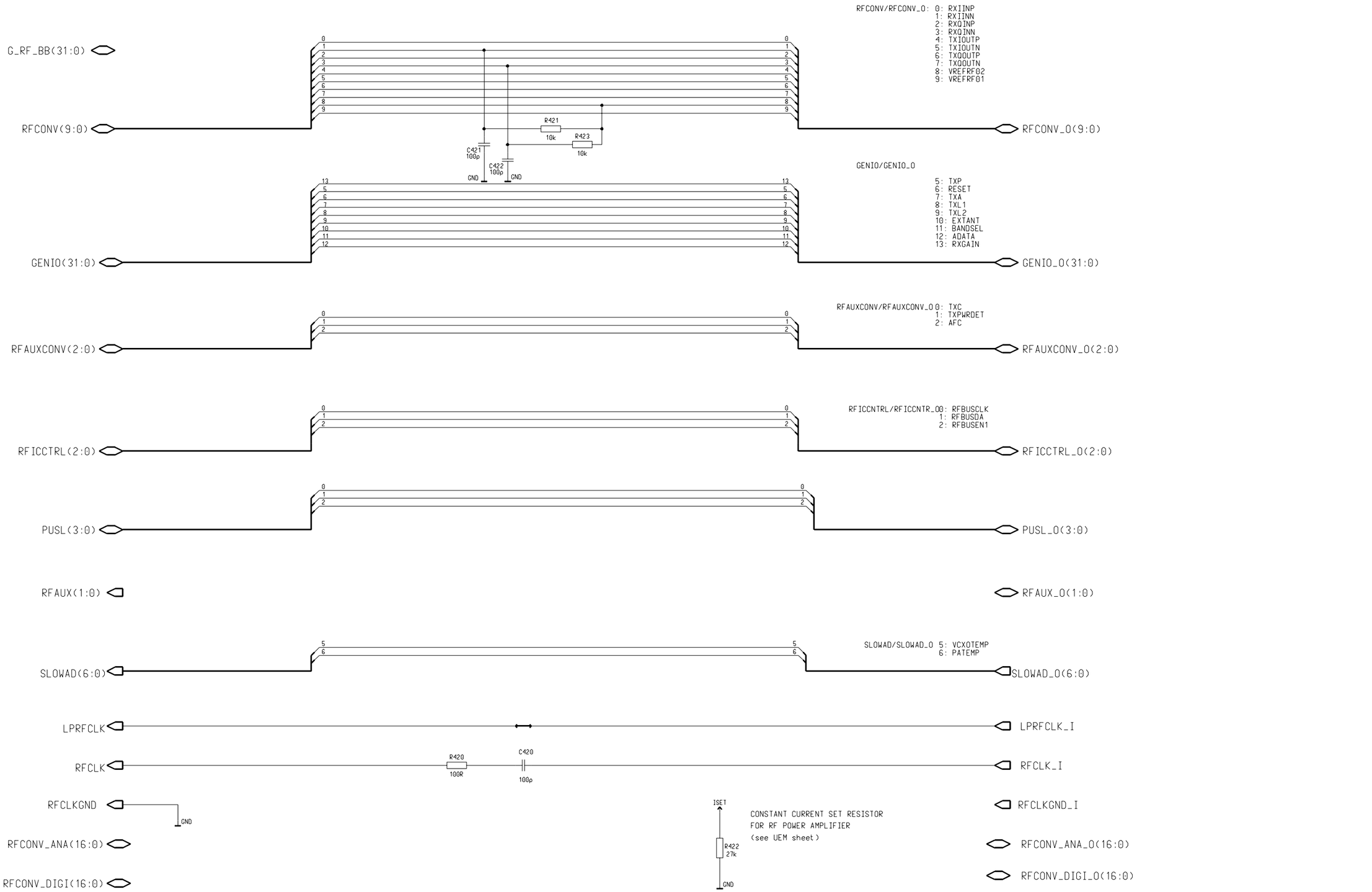
RF BB Interface



IPA1 AND IPA2 ARE USED IN RF, THE TOLERANCE OF R422 IS 1% (0402, 1430873)

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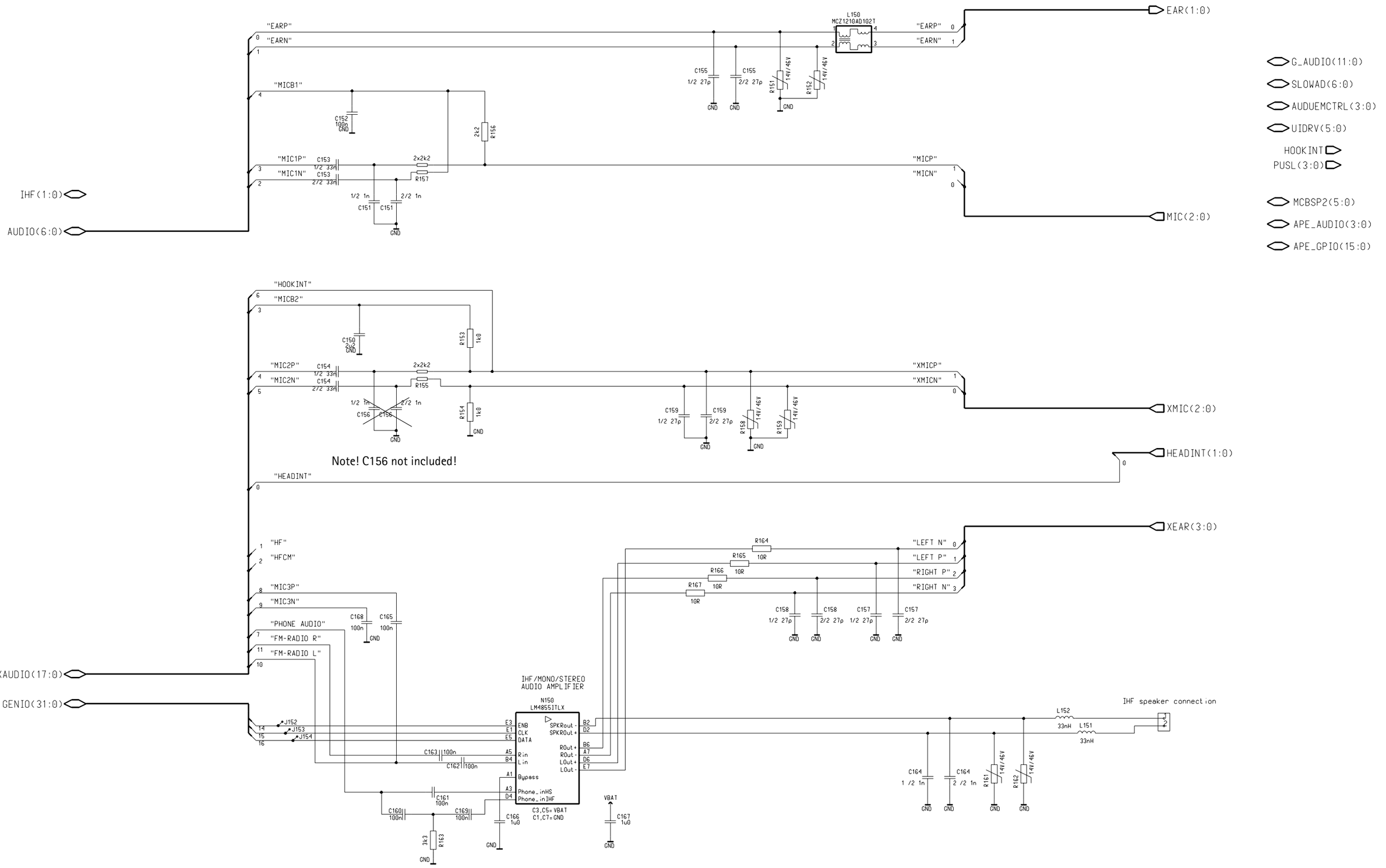
Audio



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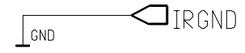
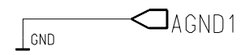
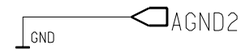
Multi GND







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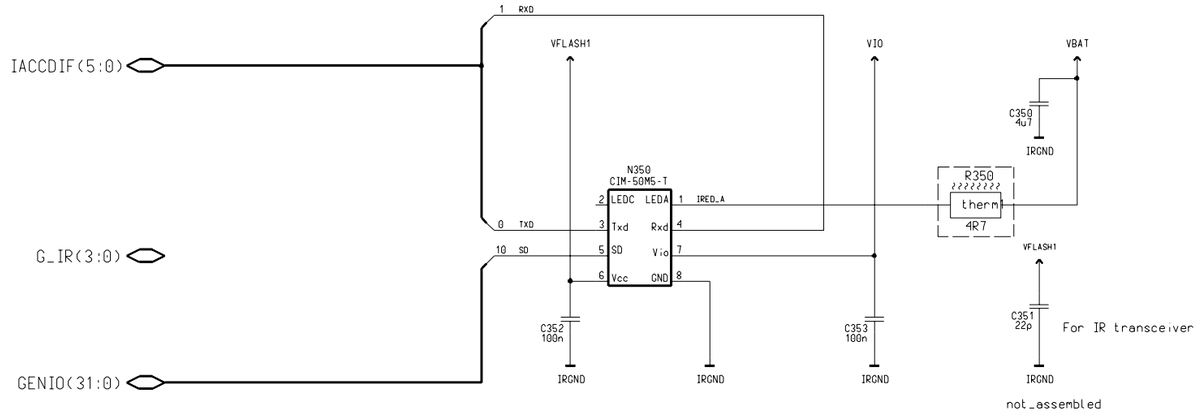
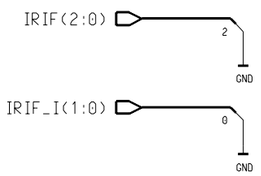
IR Module





UEM IR level shifters are ground, when 1.8V IR is used!

Used referenses

C 350 - 353
N 350
R 350

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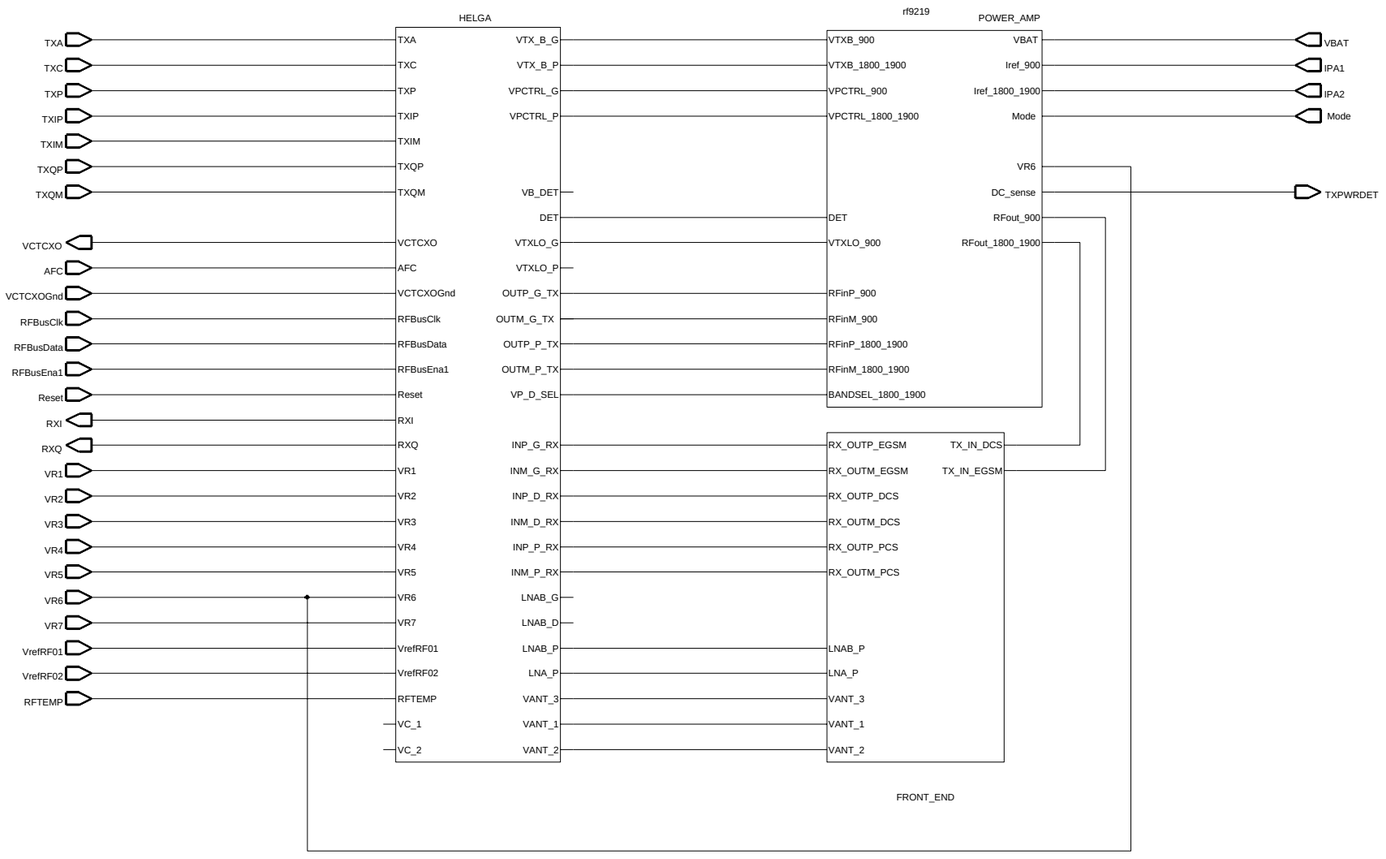
RF



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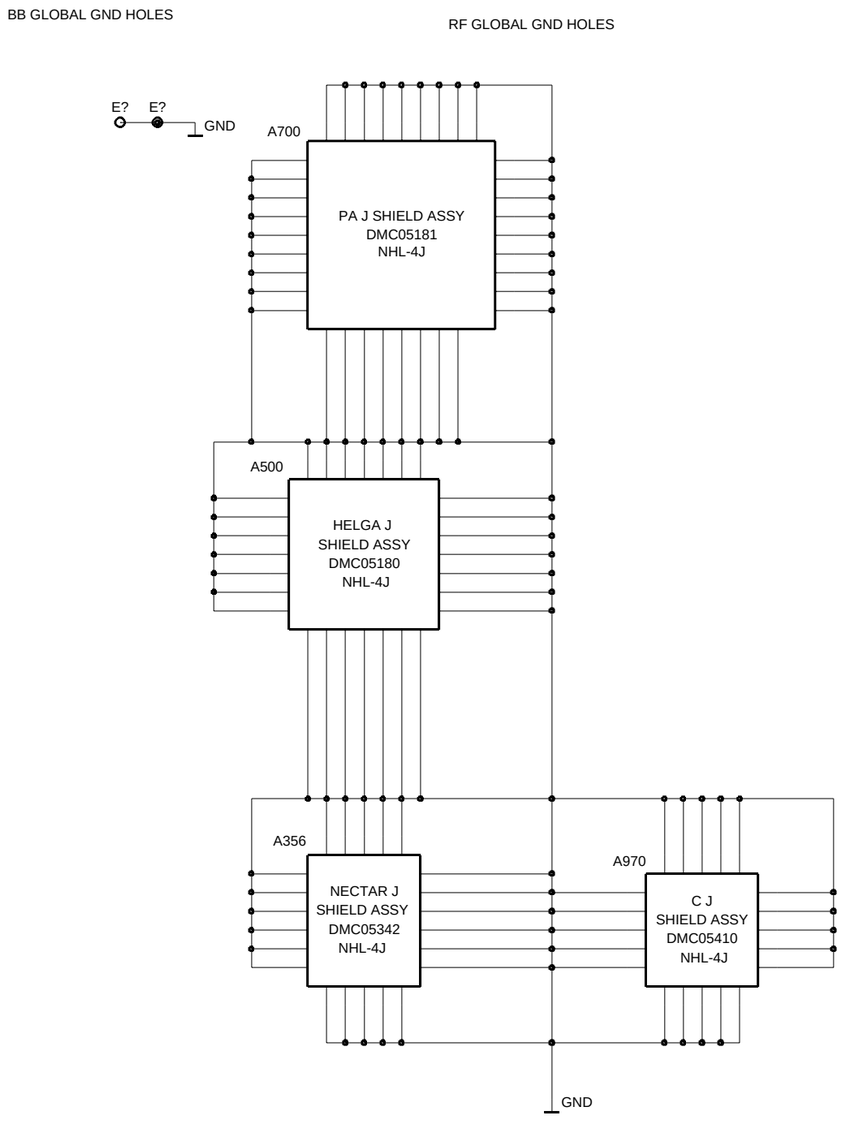
RF Shields and Vias



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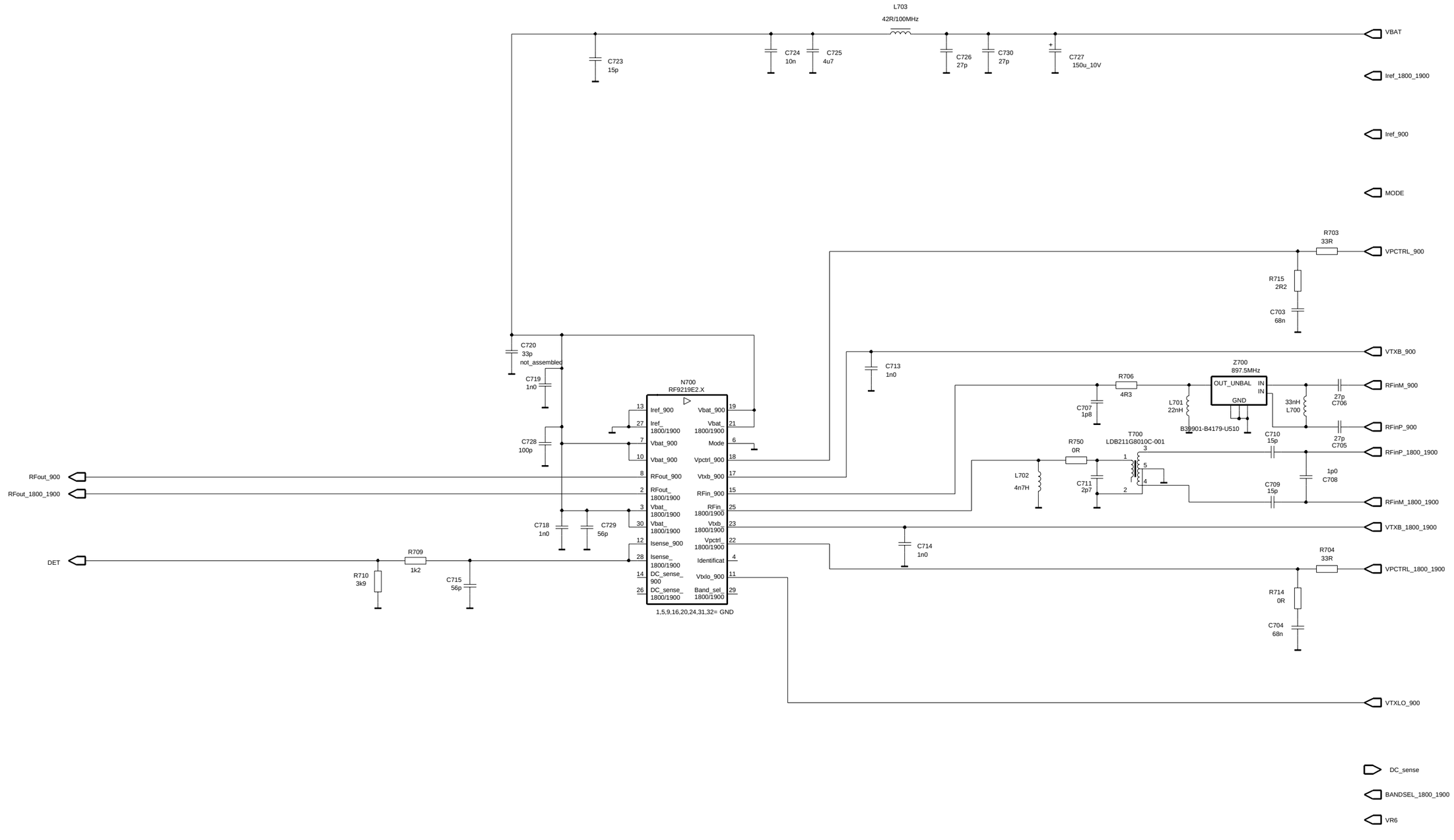
Power Amplifier and Detection



Last references:

C729

R715

L704

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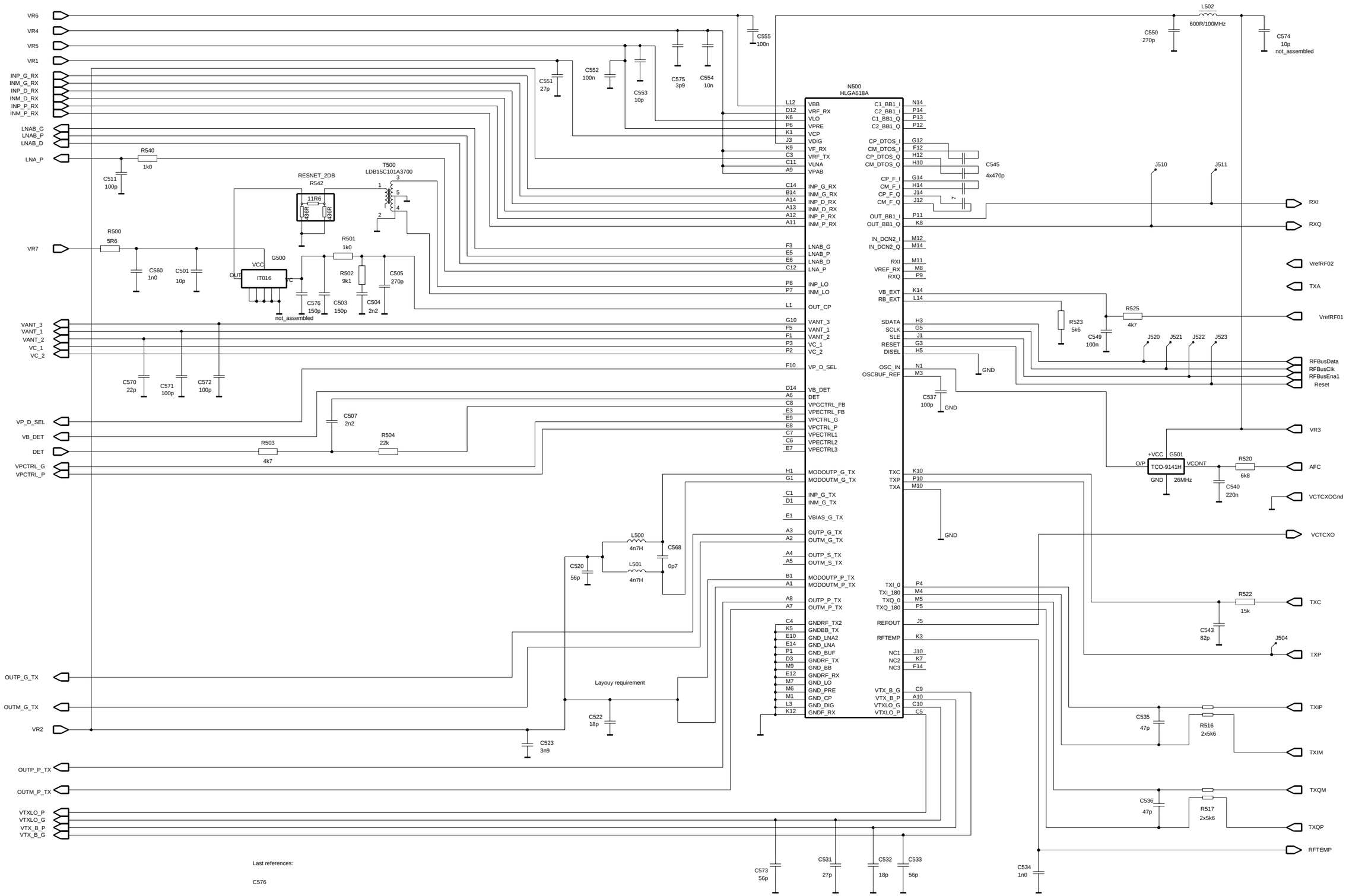
HELGA



Last references:

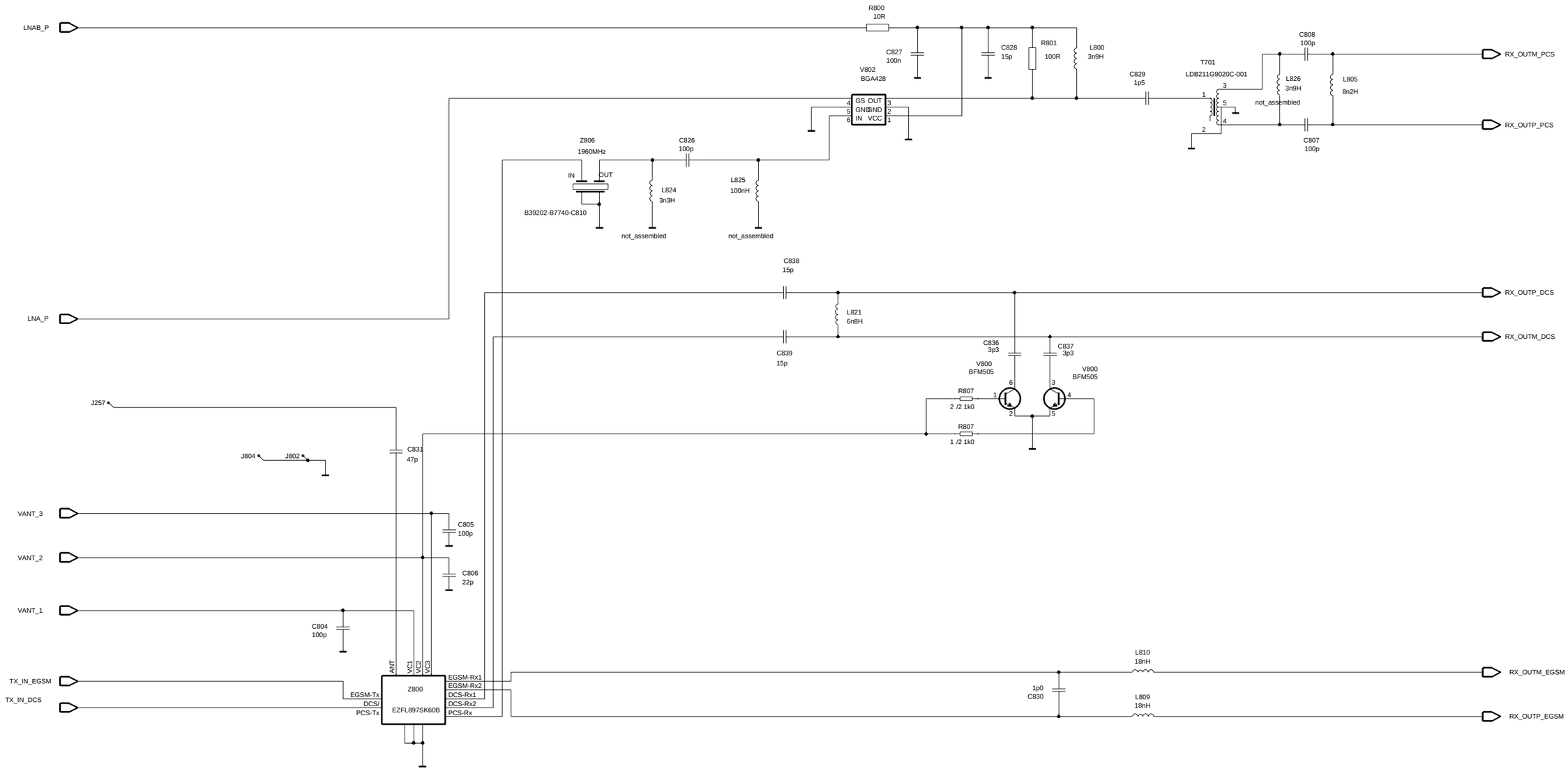
C576

R542

L510

T501

RX Front End and Antenna Switch



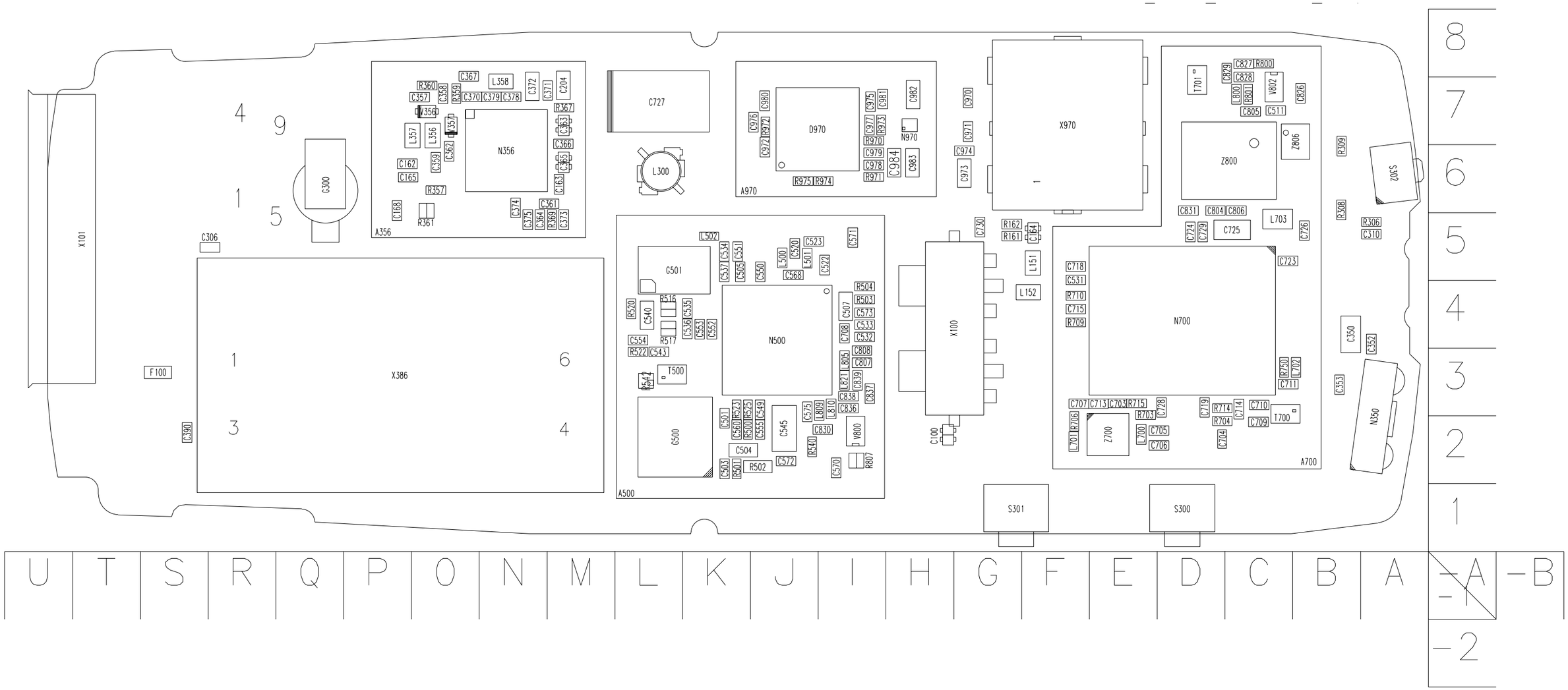
Last references:

C835

R807

L825

Assembly Values Diagram Bottom



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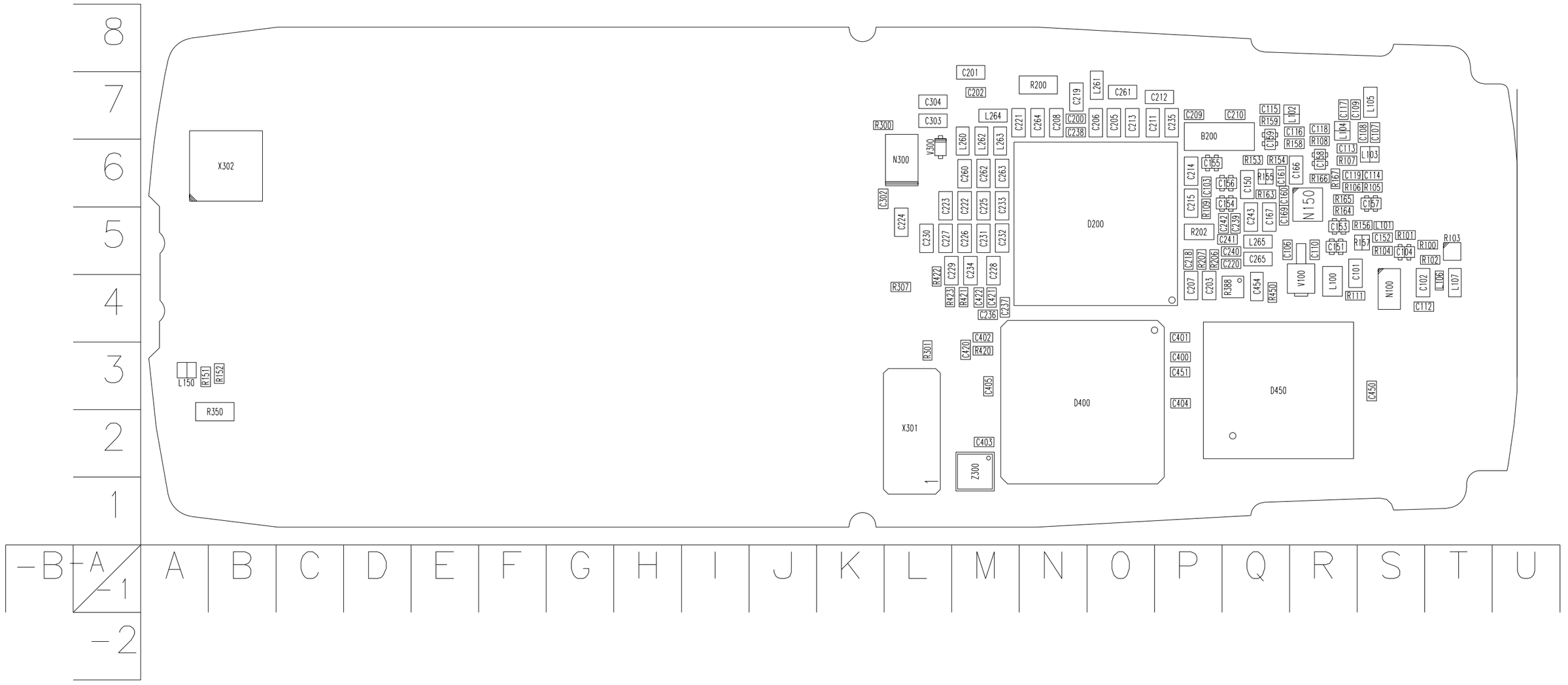
Assembly Values Diagram Top



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